What You Should Know About Your Auto; How

To Drive and Keep It

Espert Advice How to Keep Automobiles Running Smoothly and the Best Way to Remedy Machine Trouble-Traffic Suggestions and Pleasure Routes for Evening World Readers.

> By GEORGE H. ROBERTSON. Many times when children

it is because drivers of machines are negligent and leave their cars unguarded at the curb.

This carelessness of the driver was brought to light in an investigation

of a recent street accident. An electric truck was left standing at the curb, and while the driver was absent at lunch several children

climbed up and took possession of

the driver's seat and began playing with the operating controls. The

A CONSTANT READER



truck started and both children were thrown to the pavement, one receiving a broken leg. Accidents of this sort happen frequently and pre-

ventive measures should be enforced.

When a motor vehicle is left standing without an attendant, measures should be taken to prevent the operation of the machine by any one but the regular driver. If it be an electrical conveyance a lock or plug switchshould be installed, and if it is a gasoline vehicle it should be compulsory that the motor be stopped, the switch locked and the brakes set properly

Astemblis Editor

The exhaust valves on a 1908

Packard are not opening fully. I am able to insert four thicknesses of cardboard and a cigarette box between tappet and valve stem. Would this cause the motor to overheat?

A constant Reader. The inlet valves are set to the thickness of a piece of newspaper doubled. When the car is started on the battery, spark advanced one-the battery, spark advanced one-the battery, and thrown over to the magneto it slows down considerably Automobile Exter when the car is touching at a speed of 10 to 13 miles an hour. The spark has to be fully advanced; otherwise the radiator boils. Does this prove that motor is timed late, or magneto, battery and timing are O. K.?

J. F. MARTIN.

This is altogether too large an

This is altogether too large an spening between valve tappet and valve stem. Ordinarily the thickness of a piece of paper would be about right for either exhaust or inlet. If you care to be more exact, set in-let .003 inch and exhaust .004 inch.

Your magneto stem is incorrect, being set much too late. Set it so that e interrupter breaks on dead centre (upper) when spark lever on wheel le fully retarded.

grinding of the gears unless the car is slowed down to about four miles an hour? FRANK GREEN.

(1) The Horseless Age Publishing Company, 440 Fourth Avenue. The Class Journal Company, 239 West Thirty-ninth Street.

(2) Ask the Willard Battery Com-pany, 228 West Fifty-eighth Street, for an Instruction book.

fer an instruction book.

(3) Every ten days or two weeks.

(4) Possibly there is an unusually large difference in gear ratio between the third and second speed in your transmission. To shift quietly, either back or forward, it is necessary to get the desired gears on equiter and main shafts running at as nearly equal speed as possible. In the case of shifting from third to second, after throwing the gear lever into neutral position, drop in the clutch, at the same time speeding up the motor, and then shift.

Attemobile Editor:

I have a 1913 Buick. Have trouble with radiator getting hot, boiling and steaming on rides of ten miles. Have had radiator cleaned, pump cleaned, time checked up, carburetor adjusted, but cannot seem to correct the trouble. Can you offer any suggestion to stop it?

F. L. KAM.

tion to stop it?

It would seem that either the water does not circulate properly, due to some obstruction in the water jackets, hose or radiator tubes, or else the fan is not driven properly. However, would suggest that you check up your timing again and try a leaner mixture in the carburator. Incorrect valve setting. reter. Incorrect valve setting, clogged muffler or exhaust pipe, delving continuously on low gear, or a slipping clutch will cause overheating. Possibly you do not run with the spark advanced far enough.

MOTORISTS' PROBLEMS SOLVED

West One Hundred and Thirtieth Street Ferry, Englewood, Hackensack, Ridgewood, Pompton, Newfoundland, Branchville, Sayton, N. J., Dingman's Ferry, Pa., High Falls Hotel, Blooming Grove, Salem, Scranton, Hyde Park, Pittston, Wilkes-Barre, Nanticoke, Berwick, Bloomsburg, Danville. George H. Robertson. America's fore-most racing expert, as as at manufactures, prosnective owners of men wishing to become chauffeurs about pet tall to take a course in your book. and Evening Classes; also private testraction at bours to suit convenience, burg, Danville. (This also answers a Reader's request for route to Scranton.) Best roads from New York City to Montvale, N. J. L. LESHURZ. One Hundred and Thirtieth Street Ferry, Englewood, Oradell, Aetna, Westwood, Park Ridge, Montvale. Distance 19.8 miles.

Special Classes for Ladies Call or write for booklet.

Stewart Auto School 35 WEST 57TH STREET (at Brondway

CHAUFFEUR'S EXAMINATION.

AUTO RECORDING CO., Y.

Best roads and distance from Flushing to South Durham, N. Y.
A. J. GAY.
One Hundred and Thirtieth Street Ferry, Hackensack, Hohokus, Suffern, Tuxedo, Vailsgate, Newburgh, Highland, Sheightsbury Pond, Kingston, Saugerties, Evesfort, West Camp, Catskill, Leeds, Cairo, Acra, South Durham. Distance 133.7 miles.

American Favorites and Jap Who Promises
To Wage Hard Battle for National Title



the world's series of the tenwill you kindly publish the addresses of the following firms: Delco
Starter Company, Christian Starter
Company, Norman E. Henley Publishing Company,
J. J. BRADY.

Dayton Engineering Laboratories

the world's series of the tennis season, starts Monday on
the West Side

Maurice McLoughlin is being regarded as the great "outside factor,"
players entered for the championin the East this year and no one apparently knows his true physical conpage of the tennis season, starts Monday on
the libe very much on the job.
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in the East this year and no one appage of the tenmany experimenting next week and
he'll b Dayton Engineering Laboratories players entered for the championDayton, No. 329 East First Street, ship, all the foremost American
Dayton, O. The closest I can find for cracks and the extra attraction of
No. 2 is N. A. Christian Company,
No. 841-847 Thirtieth Street, Milwauno, Milwauno, 132 Nassau Street, New York.

The closest I can find for cracks and the extra attraction of full command of his old burning speed, then there's very apt to be unexpected upsets before the final round is reached.

No. 132 Nassau Street, New York. Kumagae and M. H. Mikami.

Kindly inform me (1) where I I have a 1916 Ford touring car. Can I take a chance to ride to Baltimore, Md., with the above mentioned car? Please state the condition of the roads, the batteries with distilled water; (4) How is it that while drivening a White about fifteen miles an long a White about fifteen miles an about making the trip. I believe you not shift back to second without metals and the second second metals and the second second metals and the second metals and the second second metals and the second metals and WORLD READERS.

Johnston, the defending title-holder; speed and brilliancy at the net will cause trouble for any one. From Newark, N. J., to Washing- Dick Williams, Maurice McLoughlin,

burg and Washington.

The conditions of roads for a Ford from New York to Baidwin, N. Y., on Lake George.

GEORGE T. BYRNES.
As nearly as I can make, Baidwin is between Rogers Rocks and Ticonderoga, so will give route for the latter ter place. Roads in general are good.
New York City, Yonkers, Tarrytown, Ossining, Harmon, Peckskill, Fishkill Village, Wappinger's Falls, Poughkeepsie, Rhinebeck, Red Hook, Hudson, Kinderhooky Valatie, Rensellage, Albany, Chatham Centre, Cohoes, Mechanicsville, Sarstogs Springs, Wilton, Glens Falls, Lake George, Sayamore, Sabbath Day Point, Silver Bay, Hague, Rogers Rocks, Ticonderoga, Distance about Direct route from New York City

Mulliam Albanston, the 118-pound Californian who defeated McLoughlin Johnston and Clarence Griffing for the national doubles chamber of the played at 2.30.

Mrs. Letts Wins

any too strong in endurant to not Mrs. Letts Wins Direct route from New York City to Cleveland, O., and general condition of roads.

V. EMINONT.

contest, and young Johnson in the way the court to cleveland, O., and general condition of roads.

tion of roads. V. 2MINONT.

West Forty-second Street Ferry, Montclair, Morristown, Hacketts-town, Delaware Water Gap, Strouds-burg, Wilkes - Barre, Nanticoke, Williamsville, Trout Run, Ansonia, Port Allegheny, Bradford, Warren, Jamestown, Blockville, Erie, Girard, Springfield, Pa.: Ashtabula, Williamsville, Pa. Tab, Shortest route from New York City to Danville, Pa. Tab, West One Hundred and Thirtieth West one West one GRAND RAPIDS, Mich. Aug 26.

West one Hundred Strough Rapids of Charles of Charles of Chern IIII West of Charles of C

DICK WILLIAMS IS ALWAYS A

From Newark, N. J., to Washington, D. C.:

Newark, Elizabeth, Metuchen, New Brunswick, Princeton Junction, Trenton, Langhorne, Bustleton, Ogontz, Philadelphia, Darby, Chester, Pa.: Wilmington, Del.: Newark, Del.: Side courts will be cluttered up with timere, Laurel, Beltsville, Bladensburg and Washington.

The conditions of reads for a Ford.

Dick Williams, Maurice McLoughlin, Cause trouble for any one. Then we have Itchiya Kumagne of Japan, who has been cutting a wide path in tennis circles this year, the first time he ever swung a racket in this country. Mr. Gumagae has until mitted endurance, considerable tennis talent until eliminations reduce the field to those possessing real championship ability. Yet out of the

Western Title

Giants Trade Fred Merkle For Catcher Lew McCarthy

Fred Merkle, the first baseman who lost the Giants the National eague pennant in 1908 by his failure to touch second base in a game with the Cubs, has been traded to the Dodgers for Catcher Lew 136-Carthy. No other players or money is involved. The Dodgers are badly n need of a first sacker on account of Captain Daubert's injury, while the Giants are in the same boat regarding a backstop. Rariden having been hurt recently and the team having no worthy substitute. The players will probably fill their new roles to-day. Merkle has been with the New Yorks since 1907, while McCarthy went to Brooklyn in 1913 from Newark, the International League champions of that year.

MAJOR LEAGUE AVERAGES Compiled by Moreland Nens Bureau.

American League Butting Averages. | National League Butting Averages. | Records of places who have placed in fifteen | Records of places who have placed in fifteen National League Pitchers' Records.

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How to Play From Troublesome Uphili Positions and the Proper Allowance to Make for the Wind By Alex Smith.

(Former National Open Champion)

Play 1 Not a half from a feel position uponly for the test from Water.

Lay 1 Not a half from a feel position uponly is just the reverse of working out of a hanging lie. The full should be on a line with the players left foot, with the body more in back of the full instead of in front.

as for the hanging ite. The right foot must be well in the rear of the left so as not to give any interference to the stroke. If compelled to swing abound the right foot the ball in most cases will be pulled, resulting in a poor whot. The legitimer, and all other golfers, will find if they

take the proper stance for an upfull ile that the club will catch the ball coming down, giving a sharp rise and good direction. But if the fest are not in correct position the club will enter the ground and not go through. Coming over bills and bunkers the novice will be bothered considerable

by winds, especially if the course is open. If the wind is blowing from the right, it is well to play directly into it. He sure to turn the wrists over a little at the time of meeting the ball in order to get just a little pull into it. As the pull begins to take effect the wind will keep it more in the general On the other hand, if the wind comes in from the left, the only thing

On the other hand, if the wind comes in from the left, the only thing to do is to play into it with a slice. If you are a little fearful about slicing, and many golfers certainly are, aim a little further to the left, and the force of the wind will bring the ball back in line with the hole. To do this the ball should be played well off the right foot and the hands must come through a least bit in advance of the club head. With a rear wind take a position, somewhat in back of the ball, in order that it may be picked up as the club head starts to rise. The idea is to get it as high as possible in the air so that the wind will be able to carry it with full force.

The best up for playing bad lies is not to regard them too seriously. Reginners usually think that bunkers and traps are more dangerous than they really are. Once in a bunker or trap they quickly believe that the they really are. Once in a bunker or trap they quickly believe that the only way to escape is to hit the ball harder than usual. But instead of this extra force bringing the balls out it only succeeds in putting them further in. The one thing to remember is that the ball in difficulty has already cost one stroke. Knowing this, the only logical plan to pursue to

to get the ball out for a good open shot.

With more experience in these shots the novice will soon find he is gaining better direction and distance, and then bunkers and other danger spots will begin to lose their terror.

It is rather strange that most golfers practise carefully how to keep out of bunkers, but they never learn how to get out when once in. No mat-ter how strong the player, he is bound to hit into difficulties now and then, and his score wen't amount to much if he doesn't know how to play out of bunkers with the fewest number of strokes. Try to prevent the throwing away of two or three atrokes on a bunker play that should only require

Twelfth of a golf series by Alex Smith which appeared on these pages once a week as an exclusive Evening World feature.



MAJOR LEAGUE RESULTS AND STANDING

National League National League American League Clubs. W. L. PC. Clubs. W N. York . 84 57 .486 Cincin'd 44 75 .370 N. York .64 55 .538 Phila ... 25 91 .216

Results of Games Yesterday. New York, 6; Pittaburgh, 2 (11 Innings) | St. Louis, 5; New York, 2 Brooklyn, S; Cincinnati, S Boston, 1; Chicago, 6 M. Louis, 6; Philadelphia, 5 (11 innings)

Detroit, 2; Boston, 1 Washington, 5; Chicago, 2 Cre'rd, 13; Phila., 9 (lat game) Crvrd, 10; Phila., 2 (2d game) Games To-Day.

New York at Pitteburgh Brooklyn at Cincinnati Boston at Chicago Philadelphia at St. Louis Chicago at Washington Detroit at Hoston Clevetand at Philadelphia